Project A
Image Selection from web form criteria

Overview

In this module, you develop a Flask-based python web program that:

Displays a web form in a web browser allowing the user to select an begin date, a begin time, an end date and an end time for images to be displayed.

Use Flask Objects to produce this web form. Query the database, and return a list of all the filenames in the database that fall within the date and time range.

Getting Started

Follow the instructions to install Flask in Scotch-box. You won't need the image or thumbnail pics for now.

Examine the two supplied files – hello-date.py and date-picker.html. The hello-date file is a python script that uses Flask to render a single date-picker and a single time-picker in html. It uses the date-picker.html template that must be located in the templates subdirectory below the directory where hello-date is installed and running.

```
cp /var/www/date_picker.html /home/vagrant/templates
cp /var/www/hello-dates.py /home/vagrant
cp /var/www/hello-template.py /home/vagrant
```

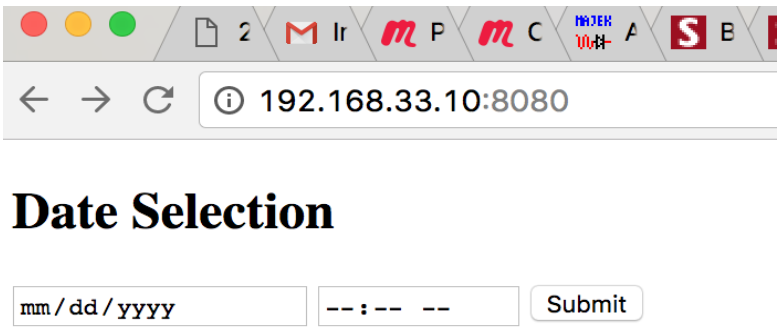
Launch hello-dates.py like this:

```
python hello-dates.py
```

Browse to:

http://192.168.33.10:8080/

and you should see:



Tasks

Do view source on the html date selection page and look at the html that hello-date.py generated from the Flask template, templates/date_picker.html.

- First, just work on printing out the data returned from these selections.
- Then add another date-picker and another time-picker, and label them appropriately for start and end.
- Query the database to find the maximum and minimum dates and times for images there, and validate the values entered on your form against these.
- Embellish the page in any way you want (CSS/Bootstrap, hard-coded html, whatever).